

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"5092851".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 14:40
S2	1	"6419658".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:27
S3	1	"6197007".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:28
S4	1	"5192275".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:28
S5	0	"500039".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:29
S6	1	"5300039".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:29
S7	1	"5505711".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:29
S8	1	"5779679".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:30
S9	1	"5800404".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:30
S10	1	"5928199".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:33
S11	1	"6210371".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:31
S12	0	"36885".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:44
S13	0	"36885".did.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:44
S14	4	"36885".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 13:45

## EAST Search History

S15	2	"20020004650".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/27 13:45
S16	1	"20020004650".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:45
S17	1	"20030078540".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:47
S18	1	"20030181871".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:47
S19	1	"20030114797".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:48
S20	1	"20020022803".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:48
S21	1254	604/263.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 10:09
S22	1273	604/110.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:52
S23	197	604/164.08.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:52
S24	0	"60259874".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 14:03
S25	0	"60/259874".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 14:03
S26	1	60/259874	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 14:03
S27	0	("2002/0103465").URPN.	USPAT	OR	ON	2005/09/27 15:19
S28	0	("2005/0113750").URPN.	USPAT	OR	ON	2005/09/28 16:07
S29	0	("2002/0103465").URPN.	USPAT	OR	ON	2005/09/28 16:26
S33	127	604/134.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/29 10:39

## EAST Search History

S34	1180	604/192.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/29 10:39
S35	6	("5147327"   "5330438"   "5549571"   "5879337").PN. OR ("6659983"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:15
S36	124	604/193.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:16
S37	508	604/195.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:22
S38	69	604/196.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:25
S39	259	604/197.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:29
S40	1097	604/198.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:29
S41	15	("4747831"   "4813426"   "4813940"   "4894055"   "4900307"   "4927414"   "5342320"   "5501672"   "5549558"   "5549571"   "5591138"   "5779679"   "5800400"   "5921964"   "6322540").PN. OR ("6773419").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:45
S42	0	"604"".""110".ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:45
S43	1274	"604/110".ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 11:45
S44	5376	crawford.in. crowford.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:37
S45	82	S44 jamieson	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/29 13:37
S46	69048	"604".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 14:40
S47	3693	"604".clas. lock\$3 flange outer inner	US-PGPUB; USPAT; USOCR	AND	ON	2005/10/31 14:41

## EAST Search History

S48	1125	"604".clas. lock\$3 flange outer inner collar	US-PGPUB; USPAT; USOCR	AND	ON	2005/10/31 14:41
S49	820	S48 @ad<"20020320"	US-PGPUB; USPAT; USOCR	AND	ON	2005/10/31 14:41
S50	7	("5116325"   "5207653"   "5462534"   "5913846").PN. OR ("6139533"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 14:54

## EAST Search History

S51	171	("1779451"   "2004050"   "2700385"   "2836942"   "2854976"   "2953243"   "3021942"   "3073307"   "3074542"   "3255873"   "3294231"   "3323523"   "3329146"   "3333682"   "3367488"   "3485239"   "3537452"   "3610240"   "3658061"   "3828775"   "3890971"   "3904033"   "3934722"   "3968876"   "4113090"   "4139009"   "4175008"   "4300678"   "4375849"   "4430082"   "4592744"   "4634428"   "4643722"   "4659330"   "4664249"   "4664259"   "4664654"   "4671408"   "4681567"   "4695274"   "4702738"   "4723943"   "4728320"   "4728321"   "4731059"   "4735311"   "4735618"   "4737144"   "4738663"   "4743233"   "4746008"   "4747836"   "4747837"   "4772272"   "4778453"   "4781697"   "4782841"   "4790828"   "4793484"   "4795432"   "4795443"   "4801295"   "4804372"   "4813426"   "4816022"   "4816024"   "4819659"   "4820277"   "4826490"   "4826491"   "4838871"   "4842587"   "4846796"   "4850968"   "4850976"   "4850977"   "4850978"   "4850994"   "4850996"   "4858607"   "4863434"   "4863435"   "4863436"   "4867746"   "4872552"   "4874383"   "4874384"   "4883469"   "4886503"   "4888001"   "4892107"   "4892521"   "4900309"   "4909791"   "4909792"   "4921096"   "4927018"   "4944397"   "4966591"   "4976699"   "4982842"   "5011475"   "5011479"   "5055102"   "5078693"   "5116325"   "5135509"   "5139489"   "5151089"   "5154285"   "5188611"   "5197954"   "5207653"   "5232454"   "5232455"   "5242417"   "5277311"   "5312369"   "5401251"   "5405332"   "5423765"   "5462534"   "5485854"   "5486163"   "5490841").PN. OR ("5509907"   "5533984"   "5584816"   "5599313"   "5599318"   "5603699"   "5632732"   "5643219"   "5662617"   "5665075"   "5669889"   "5693022"   "5702369"   "5733265"   "5807351"   "5836920"   "5885249"   "5913846"   "5993426"   "6077253"   "6080137"   "6170482"   "6130533"	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 14:55
3/3/2006 6:06:59 PM	C:\Documents and Settings\cwirczak\My Documents\EAST\Workspaces\10725041.wsp					Page 5

## EAST Search History

S52	124	("1779451"   "2004050"   "2700385"   "2836942"   "2854976"   "2953243"   "3021942"   "3073307"   "3074542"   "3255873"   "3294231"   "3323523"   "3329146"   "3333682"   "3367488"   "3485239"   "3537452"   "3610240"   "3658061"   "3828775"   "3890971"   "3904033"   "3934722"   "3968876"   "4113090"   "4139009"   "4175008"   "4300678"   "4375849"   "4430082"   "4592744"   "4634428"   "4643722"   "4659330"   "4664249"   "4664259"   "4664654"   "4671408"   "4681567"   "4695274"   "4702738"   "4723943"   "4728320"   "4728321"   "4731059"   "4735311"   "4735618"   "4737144"   "4738663"   "4743233"   "4746008"   "4747836"   "4747837"   "4772272"   "4778453"   "4781697"   "4782841"   "4790828"   "4793484"   "4795432"   "4795443"   "4801295"   "4804372"   "4813426"   "4816022"   "4816024"   "4819659"   "4820277"   "4826490"   "4826491"   "4838871"   "4842587"   "4846796"   "4850968"   "4850976"   "4850977"   "4850978"   "4850994"   "4850996"   "4858607"   "4863434"   "4863435"   "4863436"   "4867746"   "4872552"   "4874383"   "4874384"   "4883469"   "4886503"   "4888001"   "4892107"   "4892521"   "4900309"   "4921096"   "4927018"   "4966591"   "4976699"   "4982842"   "5154285"   "5188611"   "Re31086").PN. OR ("RE37252"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 14:56
S53	34	("3658061"   "4664259"   "4872552"   "4886503"   "4909792"   "5055102"   "5116325"   "5135509"   "5188611"   "5242417"   "5374255"   "5445619"   "5462534"   "5486163"   "5490841"   "5509907").PN. OR ("5669889"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 15:06

## EAST Search History

S54	45	("20010008963"   "2408323"   "3306290"   "3658061"   "4085737"   "4743265"   "4747836"   "4834715"   "4886503"   "4944397"   "4950249"   "4966591"   "4982842"   "5055102"   "5084027"   "5116325"   "5135509"   "5139489"   "5147319"   "5151089"   "5154285"   "5188611"   "5192275"   "5207653"   "5312367"   "5423765"   "5437648"   "5445619"   "5490841"   "5509907"   "5584816"   "5599318"   "5615771"   "5632732"   "5643219"   "5649622"   "5662617"   "5665075"   "5669889"   "5681295"   "5807351"   "5868716"   "6309376").PN. OR ("6837877").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 15:08
S55	17	("4664259"   "4886503"   "4967699"   "4982842"   "5207653").PN. OR ("5868716").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 15:47
S56	10	collar lateral\$3 flange	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/10/31 15:48
S57	0	collar curv\$3 flange	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/10/31 15:49
S58	8799	collar flange	US-PGPUB; USPAT; USOCR	NEAR	ON	2005/10/31 15:49
S59	48	S58 pivotab\$3	US-PGPUB; USPAT; USOCR	SAME	ON	2005/10/31 15:49
S60	0	("2005/0049560").URPN.	USPAT	OR	ON	2005/10/31 15:52
S61	401	collar pivotab\$3 lock\$3	USPAT	SAME	ON	2005/10/31 15:53
S62	373	S61 @ad<"20020320"	USPAT	AND	ON	2005/10/31 15:53
S63	6	("5496274"   "5599318"   "5681295"   "5957892").PN. OR ("6582397").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 15:54
S64	17	("4664259"   "4886503"   "4967699"   "4982842"   "5207653").PN. OR ("5868716").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 16:11
S65	6	("5496274"   "5599318"   "5681295"   "5957892").PN. OR ("6582397").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 16:28
S66	43	(kirk swenson).in.	US-PGPUB; USPAT; USOCR	AND	ON	2005/10/31 16:28

## EAST Search History

S67	1306	604/110.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 10:29
S68	1222	S67 and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 11:54
S69	310	604/171.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 12:25
S70	902	604/192.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 12:53
S71	329	604/158.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:00
S72	1037	604/198.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:00
S73	1615	604/264.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:14
S74	185378	"263"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:00
S75	1125	604/263.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:01
S76	72	604/162.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:02
S77	75	604/163.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:03
S78	179	604/164.08.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:04
S79	74	S78 not (S67 or S69 or S70 or S71 or S72 or S73 or S75 or S76 or S77)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:07
S80	136	604/164.12.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:08
S81	88	S80 not (S67 or S69 or S70 or S71 or S72 or S73 or S75 or S76 or S77 or S78)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:10



## EAST Search History

S82	1125	604/263.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:11
S83	0	S82 not (S67 or S69 or S70 or S71 or S72 or S73 or S75 or S76 or S77 or S78 or S80)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:11
S84	1078	S82 not (S77 or S78 or S80)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:11
S85	0	S82 not (S67 or S69 or S70 or S71 or S72 or S73 or S75 or S76)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:11
S86	1615	604/264.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:11
S87	60	604/264.ccls. and @ay<"2004"S86 not (S67 or S69 or S70 or S71 or S72 or S73 or S75 or S76 or S77 or S78 or S80)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:12
S88	1615	604/264.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:12
S89	0	S88 not (S67 or S69 or S70 or S71 or S72 or S73 or S75 or S76 or S77 or S78 or S80)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:13
S90	0	S88 not (S67 or S69 or S70 or S71 or S72 or S73 or S75 or S76 or S77 or S78)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:13
S91	1515	S88 not (S67 or S69 or S70 or S71)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:13
S92	1510	S88 not (S67 or S69 or S70 or S71 or S72)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:13
S93	0	S88 not (S67 or S69 or S70 or S71 or S72 or S73)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:13
S94	3344	604/110.ccls. 604/171.ccls. 604/192.ccls. 604/158.ccls. 604/162.ccls. 604/163.ccls. 604/164.08.ccls. 604/164.12.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:27
S95	1125	604/263.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:27
S96	475	S95 not S94	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:16

## EAST Search History

S97	1615	604/264.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:36
S98	3929	604/110.ccls. 604/171.ccls. 604/192.ccls. 604/158.ccls. 604/162.ccls. 604/163.ccls. 604/164.08.ccls. 604/164.12.ccls. 604/263.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:27
S99	1485	S97 not S98	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:27
S10 0	1037	604/198.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 13:36
S10 1	271	S100 not S98	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:37
S10 2	217	604/177.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:37
S10 3	4366587	604/177.ccls. @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:37
S10 4	199	604/177.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:41
S10 5	123	S104 not S98	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:37
S10 6	95	604/134.ccls. and @ay<"2004"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:41
S10 7	3938	40not S98	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:41
S10 8	90	S106 not S98	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:42
S10 9	90	S108 not S105	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:43
S11 0	5	"6945960".pn. "5562624".pn. "5591138".pn. "6840920".pn. 2003/0163095.pn. 2002/0103464. pn. "5242420".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:44

## EAST Search History

S11 1	7	"6945960".pn. "5562624".pn. "5591138".pn. "6840920".pn. "20030163095".pn. "20020103464". pn. "5242420".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/09 14:44
S11 2	42709	inward inner biased	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/13 12:03
S11 3	3217410	inward inner biased inside	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:04
S11 4	3388089	finger member protrusion detent flange	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:04
S11 5	1361919	hub housing	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:04
S11 6	1310236	S115 with S114 with S113 wih flexible	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:05
S11 7	4337	S115 with S114 with S113 wit\h flexible	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:05
S11 8	4337	S115 with S114 with S113 with flexible	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:07
S11 9	2302228	shiled guard cover protector cap	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:07
S12 0	29589	S119 with retract\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:08
S12 1	77	S118 and S120	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:11
S12 2	1	"5562624".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:11
S12 3	41	("5163918"   "5201708"   "5259841").PN. OR ("5562624"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:11